

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-042555

(43)Date of publication of application : 08.02.2002

(51)Int.Cl.

H01B 3/44
C08J 9/06
C08K 5/00
C08K 5/13
C08K 5/18
C08L 23/04
H01B 7/29
H01B 11/00

(21)Application number : 2000-227342

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(22)Date of filing : 27.07.2000

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(54) ETHYLENE RESIN COMPOSITION AND ELECTRIC WIRE/CABLE COATED WITH IT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an ethylene based resin composition which coats a communication electric wire/cable where a dielectric loss tangent is less than before while stability in heat-resistance is improved, and to provide a communication electric wire/cable, suitable for high-frequency transmission coated with the resin composition where the attenuation amount and dielectric loss are improved for stability in heat-resistance.

SOLUTION: The ethylene resin composition, comprising an ethylene resin and antioxidant, is provided which comprises a hindered phenol type antioxidant and aryl amine type antioxidant where the antioxidant contains no ion, for coating the communication electric wire/cable. A foaming ethylene resin composition which contains a chemical foaming agent is provided for coating a foam communication electric wire/cable. Further, the communication electric wire/ cable is provided which is coated with the ethylene resin compositions.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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